

ABSTRACT

Abstract

The Health Training Center (Bapelkes) of Lampung Province, as a technical implementation unit under the Health Office, faces suboptimal spatial design challenges based on 2024 observations: 60% of rooms are underutilized, 40% fail to meet current standards, and 30% have poor circulation. Key issues include segmented layouts (hindering inter-division communication per 60% of respondents), non-ergonomic furniture, and lack of visual identity. This study aims to design solutions using an Activity-based approach with three strategies: (1) Zoning reorganization via controlled open layouts with acoustic partitions, (2) Integration of Lampung's identity using medang wood and digital Tapis motifs, and (3) Implementation of SNI standards for lighting (300-500 lux) and circulation. Results show a 45% improvement in supervision efficiency through visually connected spaces and a 30% reduction in ergonomic complaints. Project limitations include reallocating interactive technology budgets to portable solutions (LCD sharing systems). Recommendations include IoT-based smart lighting development and user training for modular facility optimization.

Keywords :

activity-based design, spatial reorganization, health ergonomics, Lampung's local identity, SNI standards for training facilities